

From the INTERNATIONAL BUREAU

**PCT****NOTIFICATION CONCERNING  
TRANSMITTAL OF COPY OF INTERNATIONAL  
PRELIMINARY REPORT ON PATENTABILITY  
(CHAPTER I OF THE PATENT COOPERATION  
TREATY)**

(PCT Rule 44bis.1(c))

To:

JULIANO, Joseph  
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P.O. Box 1022  
Minneapolis, Minnesota 55440-1022  
ETATS-UNIS D'AMERIQUE

Date of mailing (*day/month/year*)  
10 May 2007 (10.05.2007)

Applicant's or agent's file reference  
09991-181WO1

**IMPORTANT NOTICE**

International application No.  
PCT/US2005/036807

International filing date (*day/month/year*)  
11 October 2005 (11.10.2005)

Priority date (*day/month/year*)  
29 October 2004 (29.10.2004)

Applicant

FUJIFILM DIMATIX, INC. et al

The International Bureau transmits herewith a copy of the international preliminary report on patentability (Chapter I of the Patent Cooperation Treaty)

The International Bureau of WIPO  
34, chemin des Colombettes  
1211 Geneva 20, Switzerland

Authorized officer

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# PATENT COOPERATION TREATY

# PCT

## INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter I of the Patent Cooperation Treaty)

(PCT Rule 44bis)

Applicant's or agent's file reference <b>09991-181WO1</b>	<b>FOR FURTHER ACTION</b>	See item 4 below
International application No. <b>PCT/US2005/036807</b>	International filing date ( <i>day/month/year</i> ) <b>11 October 2005 (11.10.2005)</b>	Priority date ( <i>day/month/year</i> ) <b>29 October 2004 (29.10.2004)</b>
International Patent Classification (8th edition unless older edition indicated) See relevant information in Form PCT/ISA/237		
Applicant <b>FUJIFILM DIMATIX, INC.</b>		

1. This international preliminary report on patentability (Chapter I) is issued by the International Bureau on behalf of the International Searching Authority under Rule 44 *bis*.1(a).

2. This REPORT consists of a total of 6 sheets, including this cover sheet.

In the attached sheets, any reference to the written opinion of the International Searching Authority should be read as a reference to the international preliminary report on patentability (Chapter I) instead.

3. This report contains indications relating to the following items:

- |                                     |              |   |
|-------------------------------------|--------------|---|
| <input checked="" type="checkbox"/> | Box No. I    | Basis of the report   |
| <input type="checkbox"/>            | Box No. II   | Priority  |
| <input type="checkbox"/>            | Box No. III  | Non-establishment of opinion with regard to novelty, inventive step and industrial applicability  |
| <input type="checkbox"/>            | Box No. IV   | Lack of unity of invention  |
| <input checked="" type="checkbox"/> | Box No. V    | Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement |
| <input type="checkbox"/>            | Box No. VI   | Certain documents cited   |
| <input type="checkbox"/>            | Box No. VII  | Certain defects in the international application  |
| <input type="checkbox"/>            | Box No. VIII | Certain observations on the international application   |

4. The International Bureau will communicate this report to designated Offices in accordance with Rules 44bis.3(c) and 93bis.1 but not, except where the applicant makes an express request under Article 23(2), before the expiration of 30 months from the priority date (Rule 44bis .2).

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland  Facsimile No. +41 22 338 82 70	Date of issuance of this report <b>01 May 2007 (01.05.2007)</b>  Authorized officer <p style="text-align: center; font-weight: bold;">Beate Giffo-Schmitt</p> e-mail: <a href="mailto:pt03.pct@wipo.int">pt03.pct@wipo.int</a>
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# PATENT COOPERATION TREATY

From the  
INTERNATIONAL SEARCHING AUTHORITY

## PCT

To:

see form PCT/ISA/220

### WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (PCT Rule 43bis.1)

Date of mailing  
(day/month/year) see form PCT/ISA/210 (second sheet)

Applicant's or agent's file reference  
see form PCT/ISA/220

**FOR FURTHER ACTION**  
See paragraph 2 below

International application No.  
PCT/US2005/036807

International filing date (day/month/year)  
11.10.2005

Priority date (day/month/year)  
29.10.2004

International Patent Classification (IPC) or both national classification and IPC  
INV. G06F3/12

Applicant  
DIMATIX, INC.

**1. This opinion contains indications relating to the following items:**

- ☒ Box No. I Basis of the opinion
- ☐ Box No. II Priority
- ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- ☐ Box No. IV Lack of unity of invention
- ☒ Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- ☐ Box No. VI Certain documents cited
- ☐ Box No. VII Certain defects in the international application
- ☐ Box No. VIII Certain observations on the international application

**2. FURTHER ACTION**

If a demand for international preliminary examination is made, this opinion will usually be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

**3. For further details, see notes to Form PCT/ISA/220.**

Name and mailing address of the ISA:



European Patent Office - P.B. 5818 Patentlaan 2  
NL-2280 HV Rijswijk - Pays Bas  
Tel. +31 70 340 - 2040 Tx: 31 651 epo nl  
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Date of completion of  
this opinion

See form  
PCT/ISA/210

Authorized Officer

Mazur, David

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**WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY**

International application No.  
PCT/US2005/036807

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**Box No. 1 Basis of the opinion**

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1. With regard to the **language**, this opinion has been established on the basis of:
  - ☒ the international application in the language in which it was filed
  - ☐ a translation of the international application into , which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1 (b)).
2. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
  - a. type of material:
    - ☐ a sequence listing
    - ☐ table(s) related to the sequence listing
  - b. format of material:
    - ☐ on paper
    - ☐ in electronic form
  - c. time of filing/furnishing:
    - ☐ contained in the international application as filed.
    - ☐ filed together with the international application in electronic form.
    - ☐ furnished subsequently to this Authority for the purposes of search.
3. ☐ In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additional comments:

**WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY**

International application No.  
PCT/US2005/036807

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**Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or  
industrial applicability; citations and explanations supporting such statement**

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1. Statement

Novelty (N)	Yes: Claims	1,10,19
	No: Claims	
Inventive step (IS)	Yes: Claims	
	No: Claims	1,10,19
Industrial applicability (IA)	Yes: Claims	1,10,19
	No: Claims	

2. Citations and explanations

**see separate sheet**

Re Item V.

1 Reference is made to the following document:

D1: EP-A2-1 293 341 (DAINIPPON SCREEN MFG [JP]) 19 March 2003 (2003-03-19)

2 INDEPENDENT CLAIM 1

The present application does not meet the criteria of Article 33(1) PCT, because the subject-matter of claim 1 is not inventive in the sense of Article 33(3) PCT.

Document D1 discloses:

A computer-implemented method comprising:

identifying configuration parameters of a printing device ("*CTP information about the number of recording heads...*", par. 0046);

dividing an image into image portions based on the configuration parameters (see division location designation in par. 0067 and more specifically "*... a certain location in response of the secondary scanning rate of the individual recording head*");

generating a plurality of image data packets, each image data packet including one or more image portions ("*Based on the signal, the print data division part 250 divides the print data PPD*", par. 0079); and

transmitting the image data packets to the printing device (see Fig. 7. Each "*print data PPD*" is sent to its designated print head).

The difference between the present application and D1 consists of sending a request to the printer for its properties, and receiving said properties from the printer. D1 does not explicitly disclose that the number or the characteristics of the print heads are requested by the printer, but nevertheless, the printer knows about these features. Therefore, even if it cannot be said that these features are explicitly or implicitly disclosed, they cannot be considered anything but trivial, given the absence of any other alternative to acquire these head characteristics.

Therefore the subject-matter of independent claim 1 does not involve an inventive

step.

**3 INDEPENDENT CLAIMS 10,19**

The above inventive step objections are applicable mutatis mutandis to the computer program product defined by independent claim 10 and the printing system defined by independent claim 19, both having the same features as the method of independent claim 1.

**4. DEPENDENT CLAIMS 2-9,11-18,20-27**

Dependent claims 2-9,11-18,20-27 do not contain any features which, in combination with the features of any claim to which they refer, meet the requirements of the PCT in respect of novelty and/or inventive step (Article 33(2) and (3) PCT).